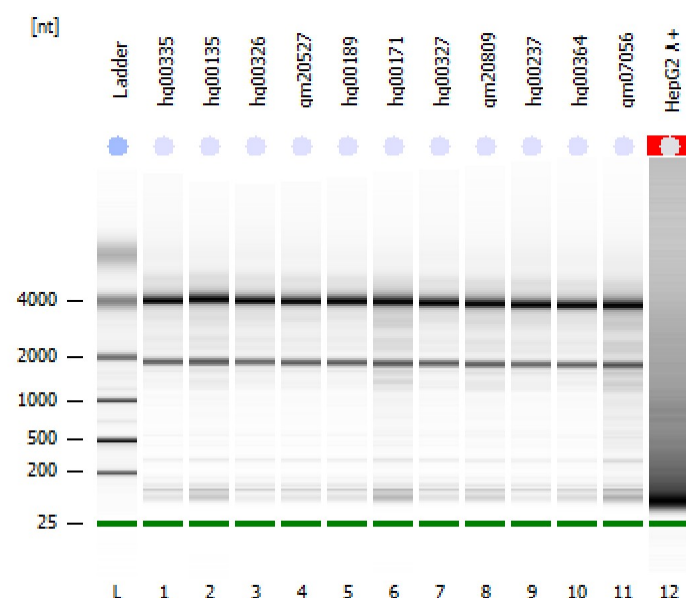


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-05\_15-53-52.xad

Created: 10/5/2011 3:53:51 PM  
Modified: 10/5/2011 4:18:03 PM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE04105537  
Serial#: DE04105537

Firmware: C.01.069  
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

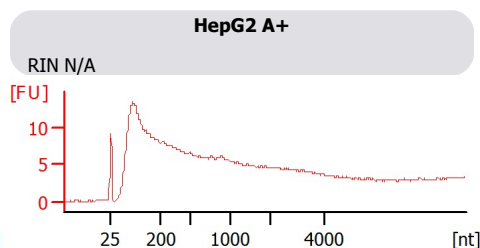
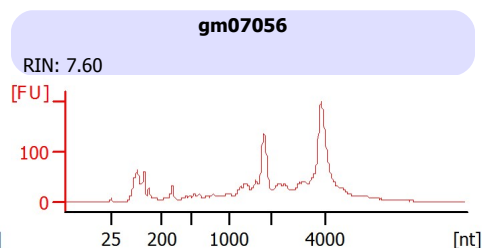
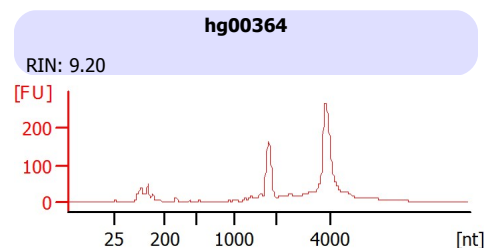
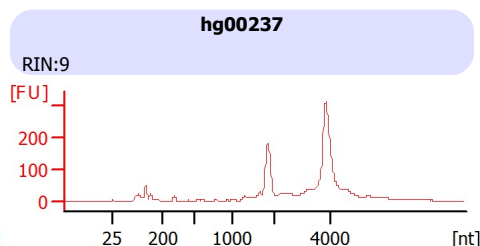
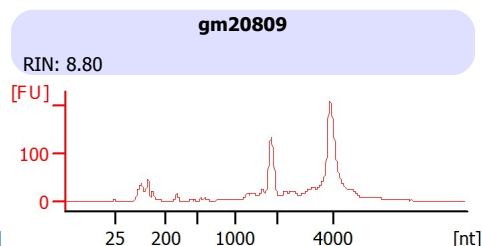
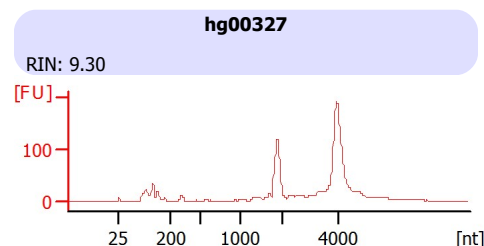
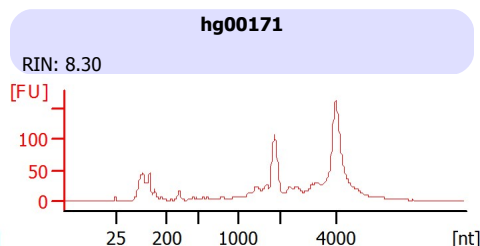
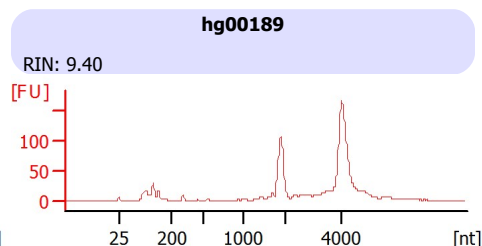
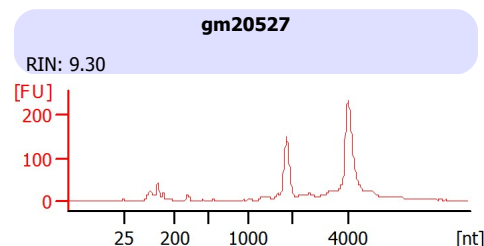
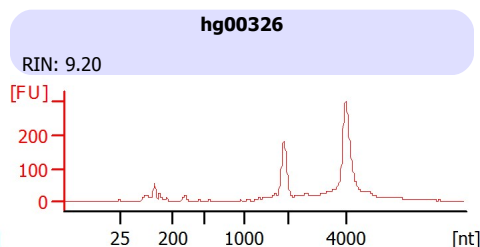
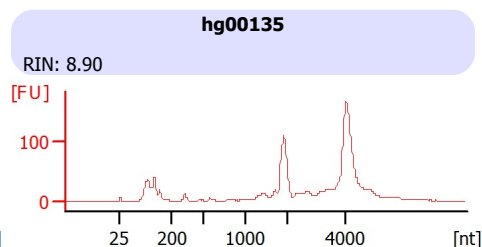
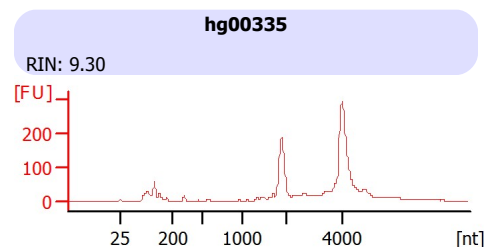
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-05\_15-53-52.xad

Created: 10/5/2011 3:53:51 PM  
Modified: 10/5/2011 4:18:03 PM

**Electrophoresis File Run Summary (Chip Summary)**

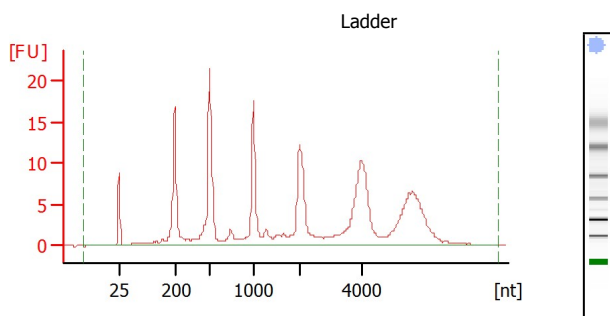
Sample Name	Sample Comment	Stat Result Label	Result Color
hg00335		✓ RIN: 9.30	
hg00135		✓ RIN: 8.90	
hg00326		✓ RIN: 9.20	
gm20527		✓ RIN: 9.30	
hg00189		✓ RIN: 9.40	
hg00171		✓ RIN: 8.30	
hg00327		✓ RIN: 9.30	
gm20809		✓ RIN: 8.80	
hg00237		✓ RIN:9	
hg00364		✓ RIN: 9.20	
gm07056		✓ RIN: 7.60	
HepG2 A+		✓ RIN N/A	
Ladder		✓ All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-05\_15-53-52.xad

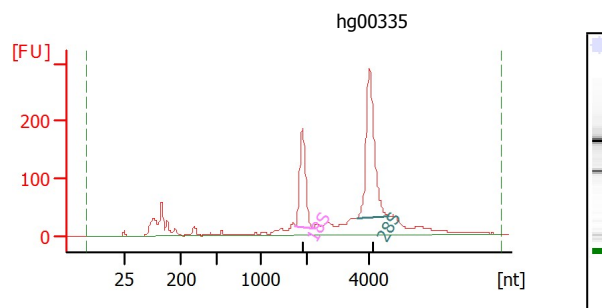
Created: 10/5/2011 3:53:51 PM  
Modified: 10/5/2011 4:18:03 PM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 230.0  
RNA Concentration: 150 ng/μl  
Result Flagging Color:    
Result Flagging Label: All Other Samples

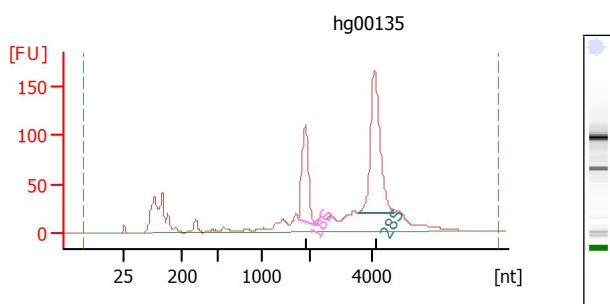


#### Overall Results for sample 1 : hg00335

RNA Area: 1,950.2  
RNA Concentration: 1,272 ng/μl  
rRNA Ratio [28s / 18s]: 1.8  
RNA Integrity Number (RIN): 9.3 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.30

#### Fragment table for sample 1 : hg00335

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,754	2,194	304.8	15.6
28S	3,608	4,631	556.6	28.5

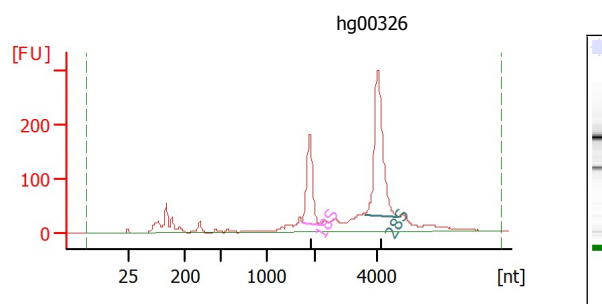


#### Overall Results for sample 2 : hg00135

RNA Area: 1,391.4  
RNA Concentration: 907 ng/μl  
rRNA Ratio [28s / 18s]: 1.8  
RNA Integrity Number (RIN): 8.9 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.90

#### Fragment table for sample 2 : hg00135

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,763	2,187	194.5	14.0
28S	3,540	4,695	351.3	25.2



#### Overall Results for sample 3 : hg00326

RNA Area: 1,945.2  
RNA Concentration: 1,268 ng/μl  
rRNA Ratio [28s / 18s]: 1.9  
RNA Integrity Number (RIN): 9.2 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.20

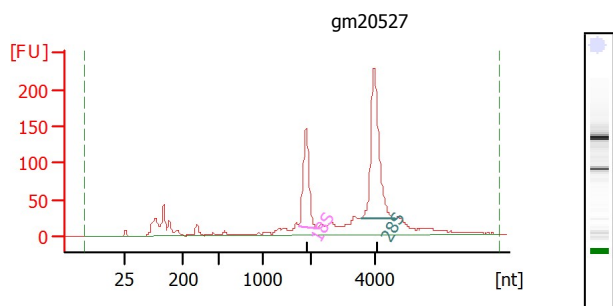
#### Fragment table for sample 3 : hg00326

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,188	290.3	14.9
28S	3,616	4,673	562.6	28.9

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-05\_15-53-52.xad

Created: 10/5/2011 3:53:51 PM  
 Modified: 10/5/2011 4:18:03 PM

### Electropherogram Summary Continued ...

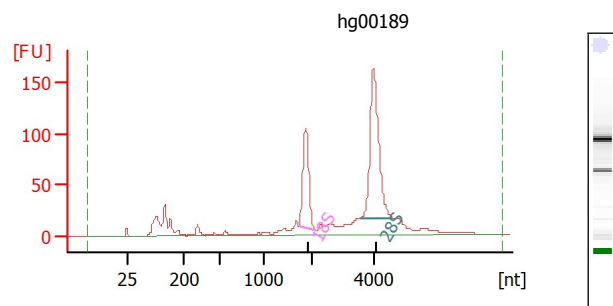


#### Overall Results for sample 4 : gm20527

RNA Area: 1,457.0  
 RNA Concentration: 950 ng/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 9.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.30

#### Fragment table for sample 4 : gm20527

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,174	238.3	16.4
28S	3,552	4,624	425.1	29.2

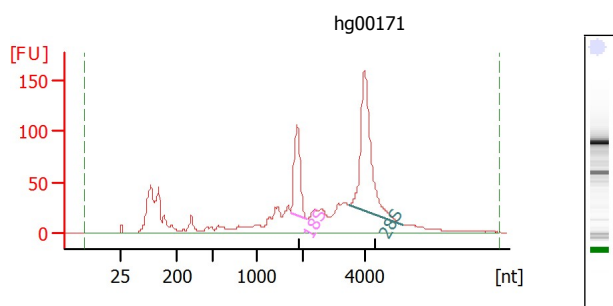


#### Overall Results for sample 5 : hg00189

RNA Area: 1,090.2  
 RNA Concentration: 711 ng/μl  
 rRNA Ratio [28s / 18s]: 1.9  
 RNA Integrity Number (RIN): 9.4 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.40

#### Fragment table for sample 5 : hg00189

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,171	175.6	16.1
28S	3,573	4,601	333.4	30.6

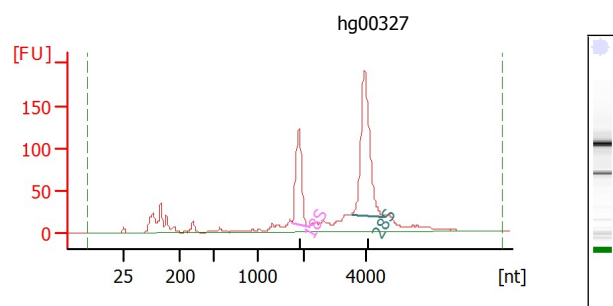


#### Overall Results for sample 6 : hg00171

RNA Area: 1,674.4  
 RNA Concentration: 1,092 ng/μl  
 rRNA Ratio [28s / 18s]: 2.3  
 RNA Integrity Number (RIN): 8.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.30

#### Fragment table for sample 6 : hg00171

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,084	162.6	9.7
28S	3,477	5,221	375.2	22.4



#### Overall Results for sample 7 : hg00327

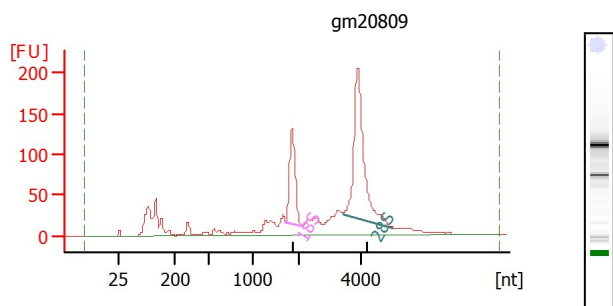
RNA Area: 1,325.3  
 RNA Concentration: 864 ng/μl  
 rRNA Ratio [28s / 18s]: 1.9  
 RNA Integrity Number (RIN): 9.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.30

#### Fragment table for sample 7 : hg00327

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,137	204.9	15.5
28S	3,508	4,567	387.6	29.2

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-05\_15-53-52.xad

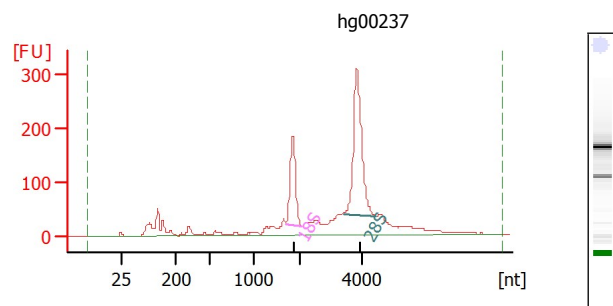
Created: 10/5/2011 3:53:51 PM  
Modified: 10/5/2011 4:18:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : gm20809**

RNA Area: 1,703.7  
RNA Concentration: 1,111 ng/μl  
rRNA Ratio [28s / 18s]: 2.3  
RNA Integrity Number (RIN): 8.8 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.80

**Fragment table for sample 8 : gm20809**

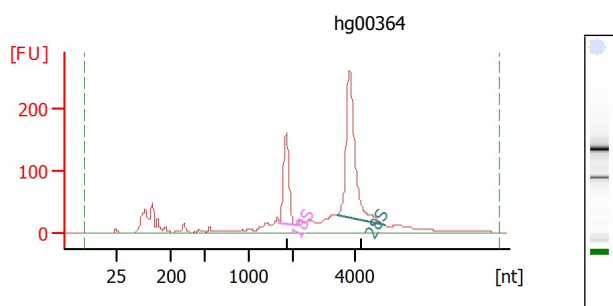
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,093	207.5	12.2
28S	3,418	5,057	471.6	27.7

**Overall Results for sample 9 : hg00237**

RNA Area: 2,208.7  
RNA Concentration: 1,440 ng/μl  
rRNA Ratio [28s / 18s]: 2.0  
RNA Integrity Number (RIN): 9 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9

**Fragment table for sample 9 : hg00237**

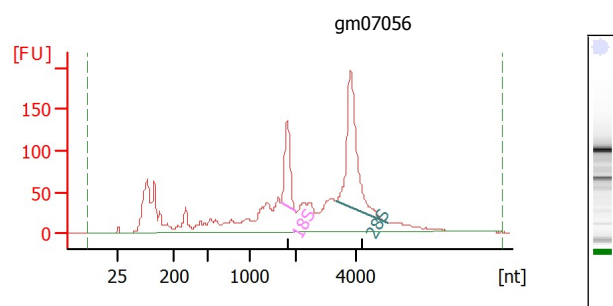
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,704	2,062	291.6	13.2
28S	3,437	4,468	591.3	26.8

**Overall Results for sample 10 : hg00364**

RNA Area: 1,879.5  
RNA Concentration: 1,226 ng/μl  
rRNA Ratio [28s / 18s]: 2.3  
RNA Integrity Number (RIN): 9.2 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.20

**Fragment table for sample 10 : hg00364**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,689	2,071	252.2	13.4
28S	3,430	4,997	575.1	30.6

**Overall Results for sample 11 : gm07056**

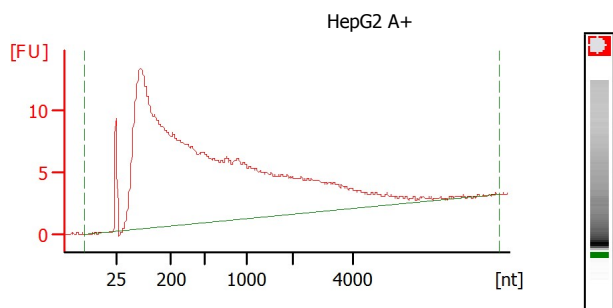
RNA Area: 2,484.9  
RNA Concentration: 1,620 ng/μl  
rRNA Ratio [28s / 18s]: 2.5  
RNA Integrity Number (RIN): 7.6 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 7.60

**Fragment table for sample 11 : gm07056**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	1,999	178.1	7.2
28S	3,350	5,063	445.7	17.9

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...\Eukaryote Total RNA Nano\_DE04105537\_2011-10-05\_15-53-52.xad

Created: 10/5/2011 3:53:51 PM  
Modified: 10/5/2011 4:18:03 PM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : HepG2 A+**

RNA Area: 422.0  
RNA Concentration: 275 ng/μl  
rRNA Ratio [28s / 18s]: 0.0  
RNA Integrity Number (RIN): N/A (B.02.08)  
Result Flagging Color:   
Result Flagging Label: RIN N/A